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PAGE: 1

46

RAW SEQUENCE LISTING PATENT APPLICATION US/09/155,676

DATE: 02/29/2000 TIME: 01:54:05

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This Raw Listing contains the General Information Section and up to the first 5 pages.

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SEQUENCE LISTING
 1
 2
 3
     (1)
            General Information:
 4
 5
          (i) APPLICANT: WALLACH, David
 6
                         MALININ, Nikolai
 7
                         BOLDIN, Mark
 8
                         KOVALENKO, Andrei
                         METT, Igor
 9
10
         (ii) TITLE OF INVENTION: MODULATORS OF THE RECEPTOR ASSOCIATED
11
                 FACTOR (TRAF), THEIR PREPARATION AND USE
12
13
        (iii) NUMBER OF SEQUENCES: 20
14
15
16
         (iv) CORRESPONDENCE ADDRESS:
               (A) ADDRESSEE: BROWDY AND NEIMAR, P.L.L.C.
17
               (B) STREET: 624 Ninth Street, N.W., Suite 300
18
               (C) CITY: Washington
19
               (D) STATE: D.C.
20
               (E) COUNTRY: USA
21
               (F) ZIP: 20001
22
23
24
          (v) COMPUTER READABLE FORM:
               (A) MEDIUM TYPE: Floppy disk
25
               (B) COMPUTER: IBM PC compatible
26
               (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27
               (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28
29
30
         (vi) CURRENT APPLICATION DATA:
31
               (A) APPLICATION NUMBER: US 09/155,676
32
               (B) FILING DATE: 04-JAN-1999
               (C) CLASSIFICATION:
33
34
        (vii) PRIOR APPLICATION DATA:
35
               (A) APPLICATION NUMBER: PCT/IL97/00117
36
               (B) FILING DATE: 01-APR-1997
37
38
39
        (vii) PRIOR APPLICATION DATA:
40
               (A) APPLICATION NUMBER: IL 117800
               (B) FILING DATE: 02-APR-1996
41
42
43
        (vii) PRIOR APPLICATION DATA:
               (A) APPLICATION NUMBER: IL 119133
44
45
               (B) FILING DATE: 26-AUG-1996
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RAW SEQUENCE LISTING PATENT APPLICATION US/09/155,676

DATE: 02/29/2000 TIME: 01:54:06

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		INPUT SET: S34879.ra	W											
47	(viii) ATTORNEY/AGENT INFORMATION:													
48	(A) NAME: BROWDY, Roger L.													
49	(B) REGISTRATION NUMBER: 25,618													
50	(C) REFERENCE/DOCKET NUMBER: WALLACH=21													
51	(c) Reference, bocker normal. Williams													
	/ \													
52	(ix) TELECOMMUNICATION INFORMATION:													
53	(A) TELEPHONE: 202-628-5197													
54	(B) TELEFAX: 202-737-3528													
55		•												
56														
57	(2) INFORMATION FOR SEQ ID NO: 1:													
58	(2) INFORMATION FOR BEQ 1D NO. 1.													
	(')													
59	(i) SEQUENCE CHARACTERISTICS:													
60	(A) LENGTH: 1906 base pairs													
61	(B) TYPE: nucleic acid													
62	(C) STRANDEDNESS: single													
63	(D) TOPOLOGY: linear													
64														
65	(ii) MOLECULE TYPE: cDNA													
	(II) MODECODE IIFE. CDNA													
66	/ '\													
67	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:													
68														
69	CATTGGGTCA CGCGGTGGCG GCGCTCTAGA ATAGTGGATC CCCCGGGCT	rg caggaattcg	60											
70														
71	ATTCGAGGCC ACGAAGGCCG GCGGCGCGCG GCANGCACCG GCCCGGGGA	AN AGGCNCCATG 1:	20											
72														
73	AGCGGATCNC NGAACNATGA CAAAAGACAA TTTCTGCTGG AGCGACTGC	T GGATGCAGTG 18	80											
74	And desired in the second of t		-											
75	AAACAGTGCC AGATCCGCTT TNGAGGGAGA AAGGAGATTG CCTCGGATT	C CGACAGCAGG 2	40											
	AAACAGIGCC AGAICCGCII INGAGGGAGA AAGGAGAIIG CCICGGAII	C CGACAGCAGG 2	1 0											
76														
77	GTCACCTGTC TGTGTGCCCA GTTTGAAGCC GTCCTGCAGC ATGGCTTGA	AA GAGGAGTCGA 3	00											
78														
79	GGATTGGCAC TCACAGCGGC AGCGATCAAG CAGGCAGCGG GCTTTGCC	AG CAAAACCGAA 3	60											
80														
81	ACAGAGCCCG TGTTCTGGTA CTACGTGAAG GAGGTCCTCA ACAAGCACC	SA GCTGCAGCGC 4:	20											
82		•												
83	TTCTACTCCC TGCGCCACAT CGCCTCAGAC GTGGGCCGGG GTCGCGCCT	rg gctgcgctgt 4	80											
84														
85	GCCCTCAACG AACACTCCCT GGAGCGCTAC CTGCACATGC TCCTGGCCC	A CCCCTCCACC 5	40											
	GCCCICARCO AACACICCCI GGAGCGCIAC CIGCACAIGC ICCIGGCCC	A CCGCIGCAGG 5												
86		a a am maamm												
87	CTGAGCACTT TTTATGAAGA CTGGTCTTTT GTGATGGATG AAGAAAGGT	TC CAGTATGCTT 60	00											
88														
89	CCTACCATGG CAGCAGGTCT GAACTCCATA CTCTTTGCGA TTAACATCG	GA CAACAAGGAT 6	60											
90														
91	TTGAACGGC AGAGTAAGTT TGCTCCCACC GTTTCAGACC TCTTAAAGG	SA GTCAACGCAG 7:	20											
92														
93	AACGTGACCT CCTTGCTGAA GGAGTCCACG CAAGGAGTGA GCAGCCTGT	T CAGGGAGATC 78	80											
94			-											
95	ACAGCCTCCT CTGCCGTCTC CATCCTCATC AAACCTGAAC AGGAGACCG	א כככייים פי	40											
	ACADECICE CIUCEDICIE CATECICATE AMACCIGAAC AGGAGACCO	A CCCITACCIA	₂ U											
96	maamamaana ahamaham aamahmaaan hamaahhah aasaaasa		20											
97	TCGTGTCCAG GAATGTCAGT GCTGATGCCA AATGCAAAAA GGAGCGGAA	ig AAGAAAAGA 90	00											
98														
99	AAGTGACCAA CATAATCTCA TTTGATGATG AGGAAGATGA GCAGAACTC	T GGGGACGTGT 96	50											

151 152

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	11VFU1 SE1: 5346/>	.raw
100 101	TTAAAAAGAC ACCTGGGGCA GGGGAGAGCT CAGAGGACAA CTCCGACCGC TCCTCTGTCA	1020
102 103	ATATCATGTC CGCCTTTGAA AGCCCCTTCG GGCCTAACTC CAATGGAATC AGAGCAGCAA	1080
104 105	CTCATGGAAA ATTGATTCCC TGTCTTTGAA CGGGGAGTTT GGGTACCAGA AGCTTGATGT	1140
106 107	GAAAAGCATC GATGATGAAG ATGTGGATGA AAACGAAGAT GACGTGTATG GAAACTCATC	1200
108 109 110	AGGAAGGAAG CACAGGGGCC ACTCGGAGTC GCCCGAGAAG CCACTGGAAG GGAACACCTG	1260
111 112	CCTCTCCCAG ATGCACAGCT GGGCTCCGCT GAAGGTGCTG CACAATGACT CCGACATCCT	1320
113 114	CTTCCCTGTC AGTGGCGTGG GCTCCTACAG CCCAGCAGAT GCCCCCCTCG GAAGCCTGGA	1380
115 116	GAACGGGACA GGACCAGAGG ACCACGTTCT CCCGGATCCT GGACTTCGGT ACAGTGTGGA	1440
117 118	AGCCAGCTCT CCAGGCCACG GAAGTCCTCT GAGCAGCCTG TTACTTCTGC CTCAGTGCCA	1500
119 120	GAGTCCATGA CAATTAGTGA ACTGCGCCAG GCCACTGTGG CCATGATGAA CAGGAAGGAT	1560
121 122	GAGCTGGAGG AGGAGAACAG ATCACTGCGA AACCTGCTCG ACGGTGAGAT GGAGCACTCA	1620
123 124	GCCGCGCTCC GGCAAGAGGT GGACACCTTG AAAAGGAAGG TGGCTGAACA GGAGGAGCGG	1680
125 126	CAGGGCATGA AGGTCCAGGC GCTGGCCAGC TATCTTTGCT ATTTTGTGAG GAGATTCTAA	1740
127 128	CCCCACGTGA GAACCATGTG GTGGAGAAAT GGAGGGAGAG AGAAATCCAA CAGTTCCTGA	1800
129 130	TAGTCTCATT TGAGCTCCTG GATCCAGTCT TTCCTGAAGC TGTGTTTCCT CTGGACTTTT	1860
131 132	CATGTATGTG AGCCAATAAA TTGCTTTCAT TCCTTGAAAA AAAAAA	1906
133 134	(2) INFORMATION FOR SEQ ID NO: 2:	
135 136	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 604 amino acids	
137 138	(B) TYPE: amino acid (C) STRANDEDNESS: single	
139	(D) TOPOLOGY: linear	
140		
141 142	(ii) MOLECULE TYPE: protein	
142	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
144	(tal)	
145	Xaa Thr Gly Pro Gly Xaa Gly Xaa Met Ser Gly Ser Xaa Asn Xaa Asp	•
146	1 5 10 15	
147 148	Lys Arg Gln Phe Leu Leu Glu Arg Leu Leu Asp Ala Val Lys Gln Cys	
149	20 25 30	
150		
151	Gln Ile Arg Phe Xaa Gly Arg Lys Glu Ile Ala Ser Asp Ser Asp Ser	

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/155,676

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													INI	PUTS	ET: S	<i>348/9</i> .
153 154	Ara.	1727	Thr	Cve	T.011	Cve	Δla	Gln	Dhe	Glu	Δla	va 1	T.011	Gln	Vic	Gly
155	ALG	50	1111	Cys	пец	Cys	55	GIII	FIIC	GIU	AIG	60	пси	GIII	1113	GLY
156		50					<i></i>									
157	Leu	Lvs	Ara	Ser	Arg	Glv	Leu	Ala	Leu	Thr	Ala	Ala	Ala	Ile	Lvs	Gln
158	65	_,5	**** 9	501		70					75					80
159	0.5					. •					. •					
160	Δla	Δla	Glv	Phe	Ala	Ser	Lvs	Thr	Glu	Thr	Glu	Pro	Val	Phe	Trp	Tvr
161			0-1		85		-7-			90	0				95	-1-
162					•••										-	
163	Tvr	Val	Lvs	Glu	Val	Leu	Asn	Lvs	His	Glu	Leu	Gln	Ara	Phe	Tvr	Ser
164	-1-			100				-1-	105				5	110	-1-	
165		•														
166	Leu	Ara	His	Ile	Ala	Ser	Asp	Val	Glv	Ara	Glv	Ara	Ala	Trp	Leu	Ara
167		9	115		•		E	120	1	5	1	5	125	F		3
168																
169	Cvs	Ala	Leu	Asn	Glu	His	Ser	Leu	Glu	Ara	Tvr	Leu	His	Met	Leu	Leu
170	-7-	130					135			5	-1-	140				
171																
172	Ala	Asp	Ara	Cvs	Arg	Leu	Ser	Thr	Phe	Tvr	Glu	asp	Trp	Ser	Phe	Val
173	145			-1-	3	150				-1-	155					160
174																
175	Met	Asp	Glu	Glu	Arg	Ser	Ser	Met	Leu	Pro	Thr	Met	Ala	Ala	Glv	Leu
176					165					170					175	
177																
178	Asn	Ser	Ile	Leu	Phe	Ala	Ile	Asn	Ile	Asp	Asn	Lys	Asp	Leu	Asn	Gly
179				180					185	-		-	•	190		•
180																
181	Gln	Ser	Lys	Phe	Ala	Pro	Thr	Val	Ser	Asp	Leu	Leu	Lys	Glu	Ser	Thr
182			195					200					205			
183																
184	Gln	Asn	Val	Thr	Ser	Leu	Leu	Lys	Glu	Ser	Thr	Gln	Gly	Val	Ser	Ser
185		210					215	-				220	_			
186																
187	Leu	Phe	Arg	Glu	Ile	Thr	Ala	Ser	Ser	Ala	Val	Ser	Ile	Leu	Ile	Lys
188	225		_			230					235					240
189																
190	Pro	Glu	Gln	Glu	Thr	Asp	Pro	Cys	Leu	Ser	Cys	Pro	Gly	Met	Ser	Val
191					245					250					255	
192																
193	Leu	Met	Pro	Asn	Ala	Lys	Arg	Ser	Gly	Arg	Arg	Lys	Arg	Lys	Xaa	Pro
194				260					265					270		
195																
196	Thr	Xaa	Ser	His	Leu	Met	Met	Arg	Lys	Met	Ser	Arg	Thr	Leu	Gly	Thr
197			275					280					285			
198																
199	Cys	Leu	Lys	Arg	His	Leu	Gly	Gln	Gly	Arg	Ala	Gln	Arg	Thr	Thr	Pro
200		290					295					300				
201																
202	Thr	Ala	Pro	Leu	Ser	Ile	Ser	Cys	Pro	Pro	Leu	Lys	Ala	Pro	Ser	Gly
203	305					310					315					320
204																
205	Leu	Thr	Pro	Met	Glu	Ser	Glu	Gln	Gln	Leu	Met	Glu	Asn	Xaa	Phe	Pro

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207																
208	Val	Phe	Glu	Arg	Gly	Val	Trp	Val	Pro	Glu	Ala	Xaa	Cys	Glu	Lys	His
209				340					345					350		
210																
211	Arq	Xaa	Xaa	Arg	Cys	Gly	Xaa	Lys	Arg	Arg	Xaa	Arg	Val	Trp	Lys	Leu
212			355	_	-	-		360	_	_		_	365	-	-	
213																
214	Ile	Arg	Lvs	Glu	Ala	Gln	Gly	Pro	Leu	Gly	Val	Ala	Arq	Glu	Ala	Thr
215		370	-1-				375			2		380				
216																
217	Glv	Arg	Glu	His	Leu	Pro	Leu	Pro	Asp	Ala	Gln	Leu	Glv	Ser	Ala	Glu
218	385	5				390					395		2			400
219																
220	Glv	Ala	Ala	Gln	Xaa	Leu	Ara	His	Pro	Leu	Pro	Cvs	Gln	Trp	Ara	Glv
221					405		5			410		-1-			415	1
222																
223	Len	Leu	Gln	Pro	Ser	Ara	Cvs	Pro	Pro	Ara	Lvs	Pro	Glv	Glu	Ara	Asp
224	Leu	LCu	0111	420	001		Cyb		425	9	_,_		0-7	430	9	
225				120					123							
226	Ara	Thr	Δra	Gl v	Pro	Δra	Ser	Pro	Glv	Ser	Trn	Thr	Ser	Va 1	Gln	Cvs
227	AL 9	1111	435	Gry	110	9	DCI	440	Ory	501	1-1		445	vai	0111	Cys
228			433					110								
229	Glv	Ser	Gln	T.e.11	Ser	Δra	Pro	Δra	Laze	Ser	Ser	Glu	Gln	Pro	Val	Thr
230	Gry	450	GIII	Бец	Ser	A. y	455	n y	шуз	UCI	ber	460	GIII	110	vai	1111
231		450					400					700				
232	602	Ala	cor	T c V	Pro	Clu	cor	Mot	Thr	Tlo	gar	Glu	T.011	Λrα	Gln	λla
232	465	Ата	per	vai	PIO	470	ser	Met	1111	TIE	475	GIU	neu	Arg	GIII	480
234	463					4/0					4/5					400
234	Th.∽	Val	77-	Mot	Mot	7 an	7 ~~	Tara	A cro	C111	T 011	C111	Clu	Clu	7 cn	λνα
	1111	vaı	Ala	Mec	485	ASII	Arg	цуз	Asp	490	пец	GIU	GIU	GIU	495	rra.
236 237					400					490					473	
238	000	Leu	7 ~~	7 ~~	T 011	T 011	7 cm	C111	C1.,	Mot	C1.,	uic	802	א. הוא	772	T OU
239	ser	пеп	Arg	500	пец	пеп	ASP	GIY	505	MEC	GIU	nrs	Ser	510	AIG	Deu
240				500			-		202					310		
241	7~~	Gln	C1.,	1701	7 02	Thr	T 011	Tarc	7 ~~	Tare	1727	λla	G133	Gln.	Glu	Glu
242	Arg	GIII	515	vai	Asp	1111	пеп	520	ALG	Буз	vai	AIG	525	GIII	GIU	Giu
243			313					320					323			
244	7 20	Gln	Clv	Mot	Laze	Va 1	Gl n	λla	T.011	λla	Sor	Тиг	T.011	Cve	Tur	Dhe
245	Arg	530	GIY	Mec	цуз	vai	535	AIA	neu	ALG	Ser	540	пец	Cys	ıyı	FIIC
246		550					232					240				
247	1727	Arg	λνα	Dho	Vaa	Dro	uie	17a l	λra	Thr	Mot	Trn	Trn	λνα	λαη	Glv
248	545	Arg	ALG	FIIE	naa	550	птэ	vai	Arg	1111	555	тър	пр	Arg	ASII	560
249	343					330					333					500
250	C111	Arg	C1.,	Lare	802	λen	Cor	Car	Vaa	Yaa	Sor	uie	T.011	Sar	Car	Trn
	GIY	ALG	Gru	пуъ	565	ASII	PCI	per	naa	570	SET	птэ	пец	261	575	TIP
251 252					202					570					<i>د ر د</i>	
	т1 ~	C1 =	C~~	Dha	T.c.	Lara	Lev	Crea	Dho	Lev	Tra	Th∽	Dho	uic	17-1	Cve
253	тте	Gln	DGT.		ьец	пуз	ъeп	Cys	585	TEU	тър	TIIL	FIIG	590	val	Cys
254				580					202					270		
255	α1	Dres	T1.	λ -	C1	Dha	u: ~	00-	T 0	T	t	T 1-~				
256	GIU	Pro		ASII	СУБ	FIIE	птр		пeп	пур	пув	пуя				
257			595					600								
258										•						

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